

LIST OF ABBREVIATIONS

% PD	:	Percent predicted error
µg	:	microgram
µl	:	microliter
AMC	:	Asymmetric membrane coating
ANOVA	:	Analysis of variance
AT	:	Atenolol
AUC	:	Area under curve
BD	:	Bulk density
BP	:	British Pharmacopoeia
CA	:	Cellulose acetate
CI	:	Compressibility index
cm	:	centimeter
CPOP	:	Controlled porosity osmotic pump
CR	:	Controlled release
$C_{ss\ max}$	:	Maximum steady state concentration
$C_{ss\ min}$	:	Minimum steady state concentration
DSC	:	Differential scanning calorimeter
EOP	:	Elementary osmotic pump
g	:	gram
GIT	:	Gastrointestinal tract
GITS	:	Gastrointestinal therapeutic system
GZ	:	Glipizide
h	:	hour
HLB	:	Hydrophilic lipophilic balance
HPLC	:	High pressure liquid chromatography
HPMC	:	Hydroxypropyl methyl cellulose

HR	:	Hausner ratio
ICH	:	International conference on harmonization
IP	:	Indian Pharmacopoeia
IVIVC	:	in vivo- in vitro correlation
kg	:	kilogram
LOD	:	Loss on drying
MCC	:	Microcrystalline cellulose
MEC	:	Minimum effective concentration
mg	:	milligram
min	:	minute
ml	:	milliliter
mm	:	millimeter
MOTS	:	Monolithic osmotic tablet system
MT	:	Metoprolol tartrate
MW	:	Molecular weight
NCE	:	New chemical entities
ng	:	nanogram
nm	:	nanometer
NP	:	Nifedipine
OC	:	Oxybutynin chloride
PBS	:	Phosphate buffer saline
PEG	:	Polyethylene glycol
PEO	:	Polyethylene oxide
PPOP	:	Push pull osmotic pump
PPOT	:	Push-pull osmotic tablet
PVC	:	Polyvinyl alcohol

PVP	:	Polyvinyl pyrrolidone
PXRD	:	Powder X-ray crystallography
RH	:	Relative humidity
s	:	seconds
SEM	:	Scanning electron microscopy
SGF	:	Simulated gastric fluid
SIF	:	Simulated intestinal fluid
SLS	:	Sodium lauryl sulphate
SOTS	:	Sandwiched osmotic tablet system
SPOP	:	Swellable porous osmotic pump
SR	:	Sustained release
SSQ	:	Sum of squared residuals
TD	:	Tap density
USP	:	United States Pharmacopoeia
UV	:	Ultraviolet
VH	:	Venlafaxine HCl
WHO	:	World health organization